

FIGURE 1

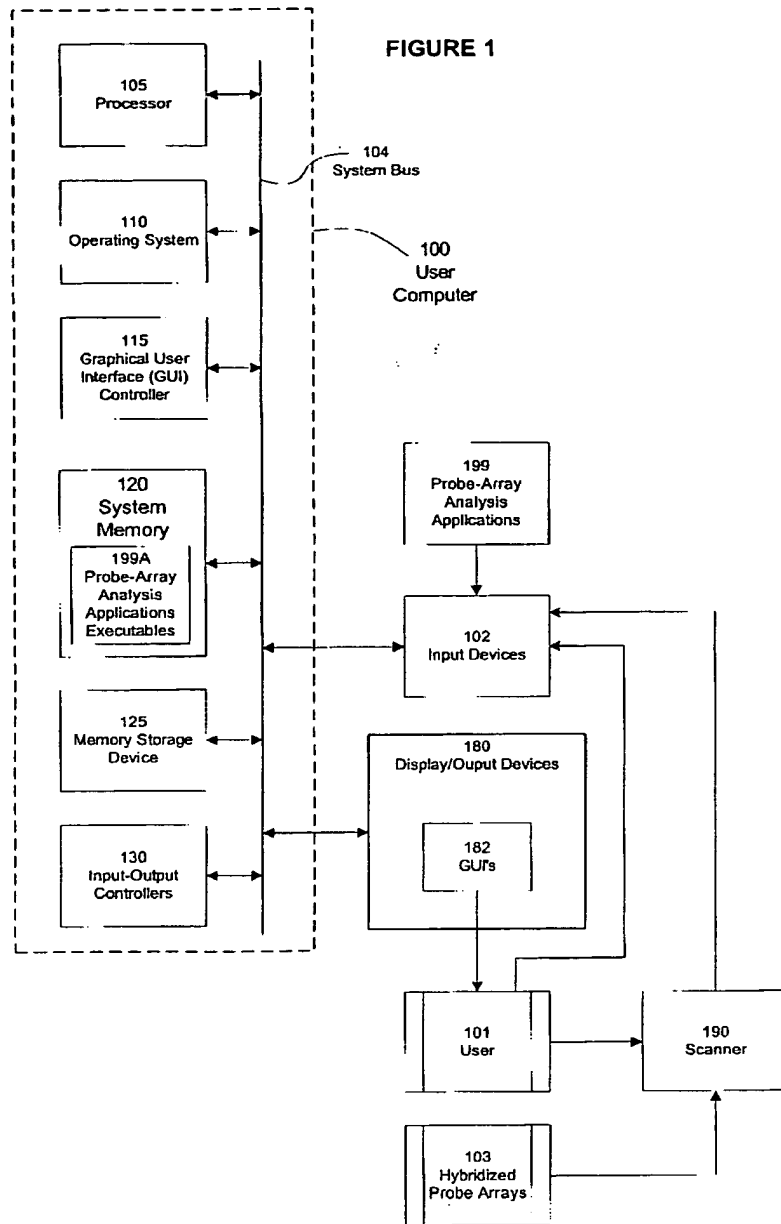


FIGURE 2

199A
Probe-Array Analysis
Applications Executables
(with related data structures)

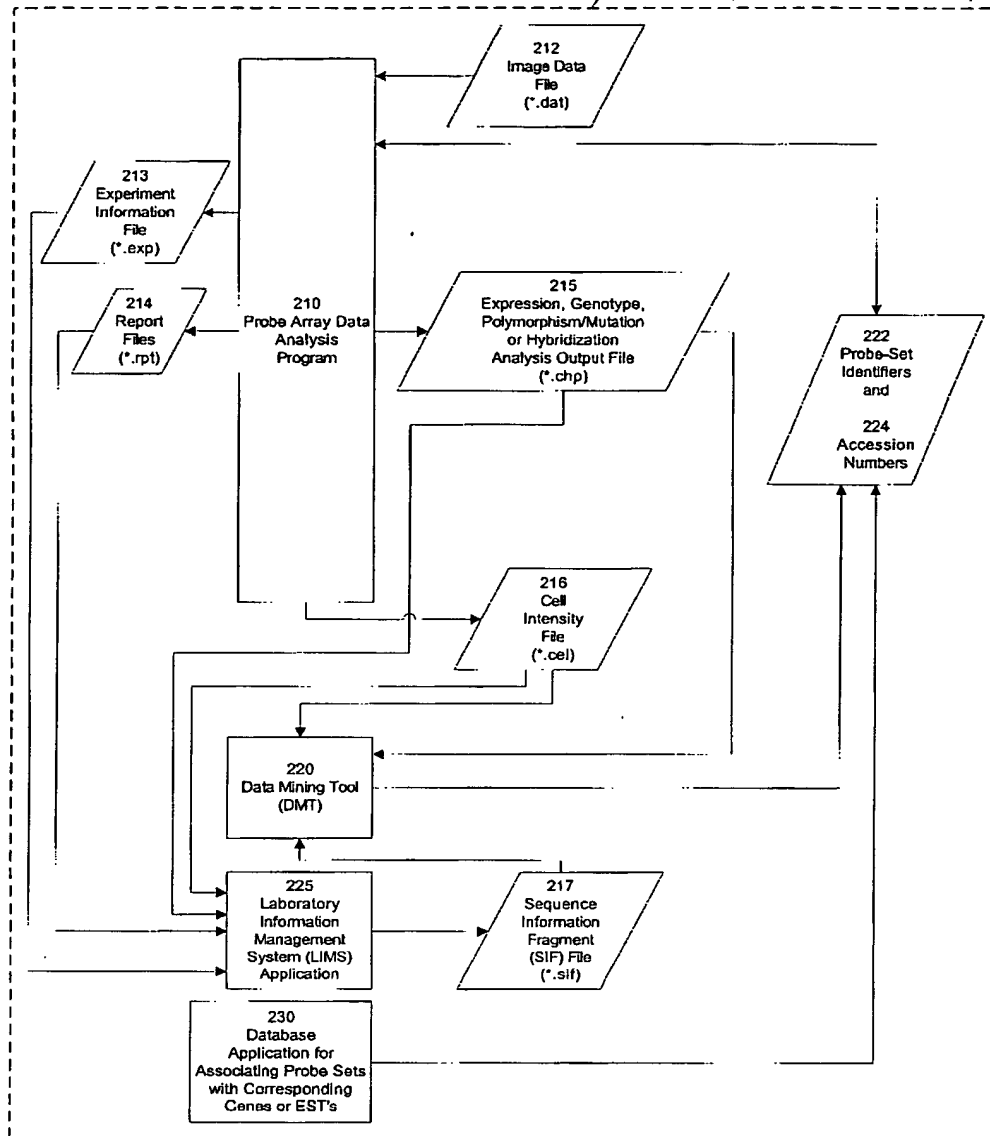


FIGURE 3
(PRIOR ART)

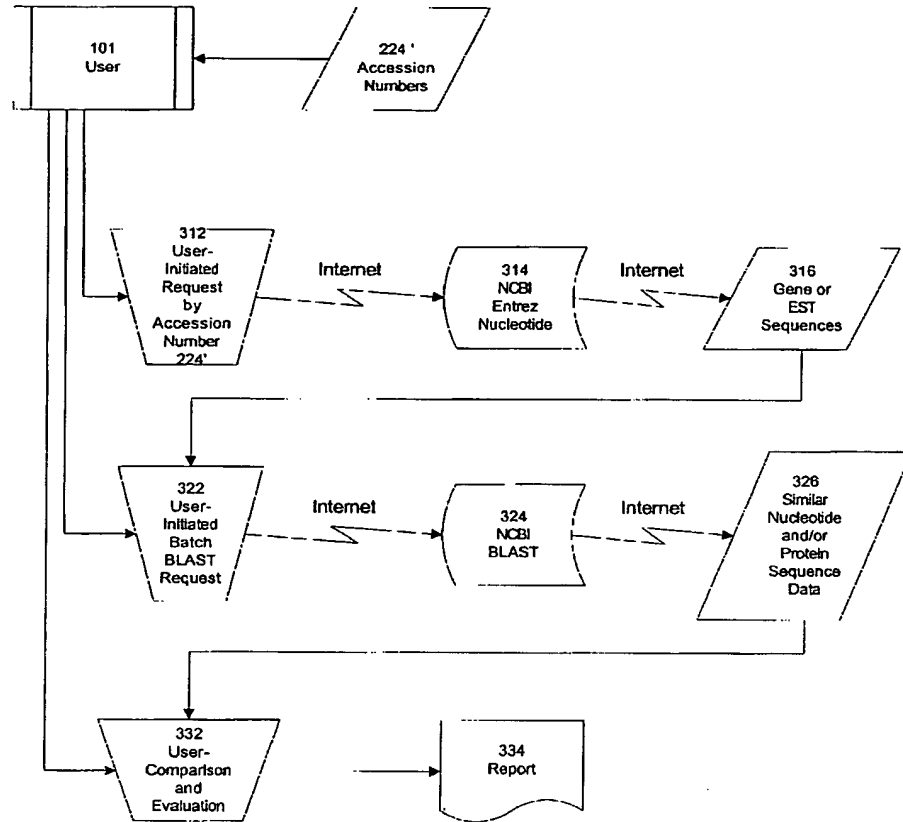


FIGURE 5

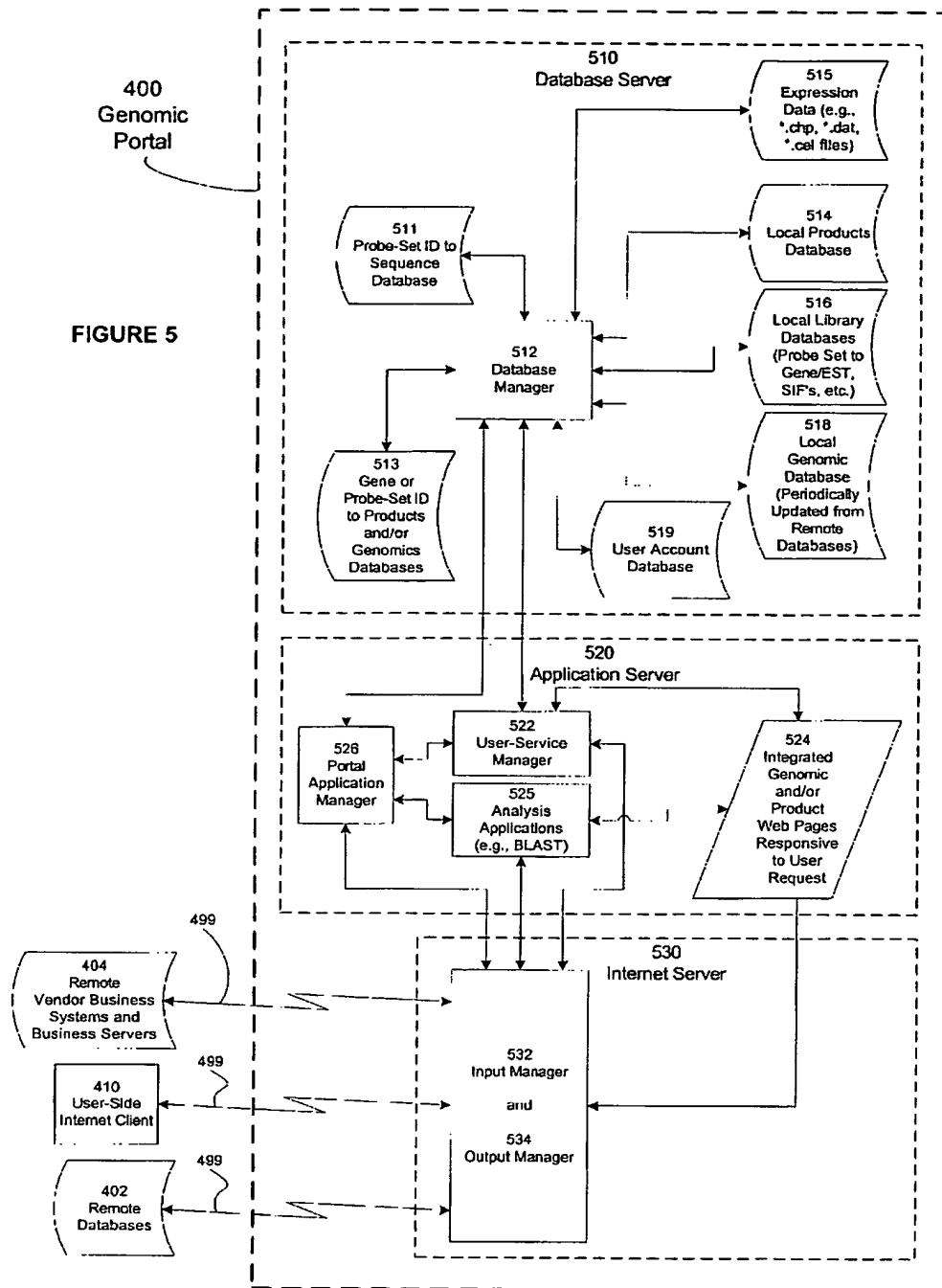


FIGURE 6

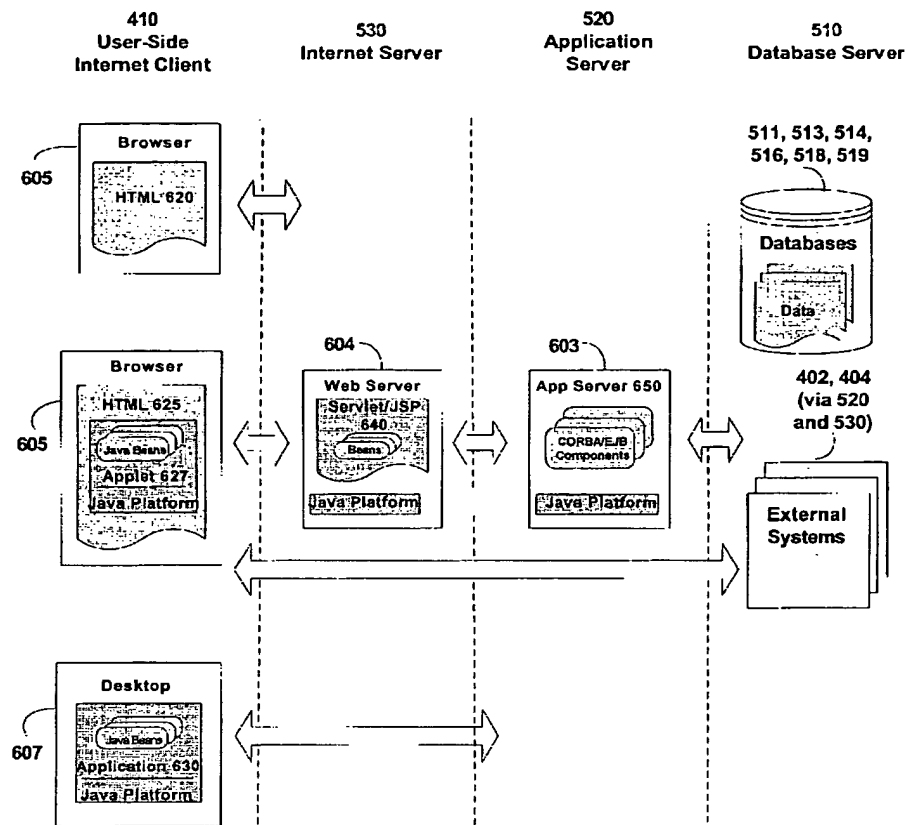


FIGURE 7A

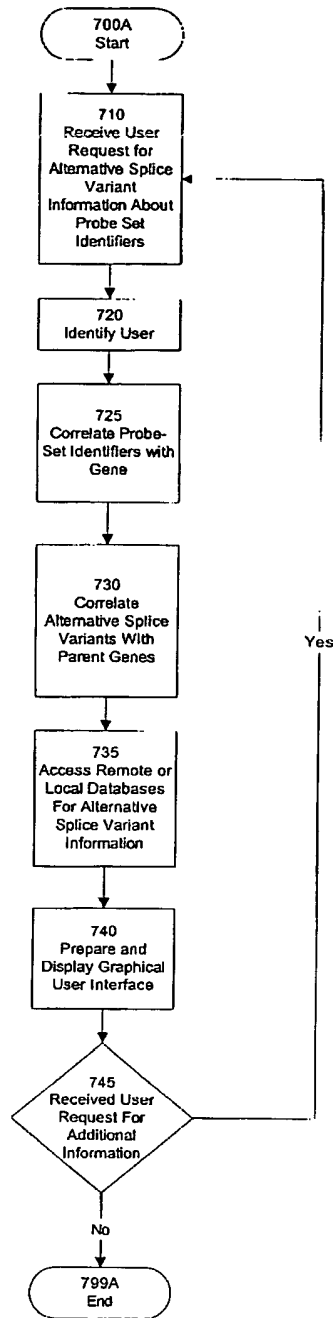


FIGURE 7B

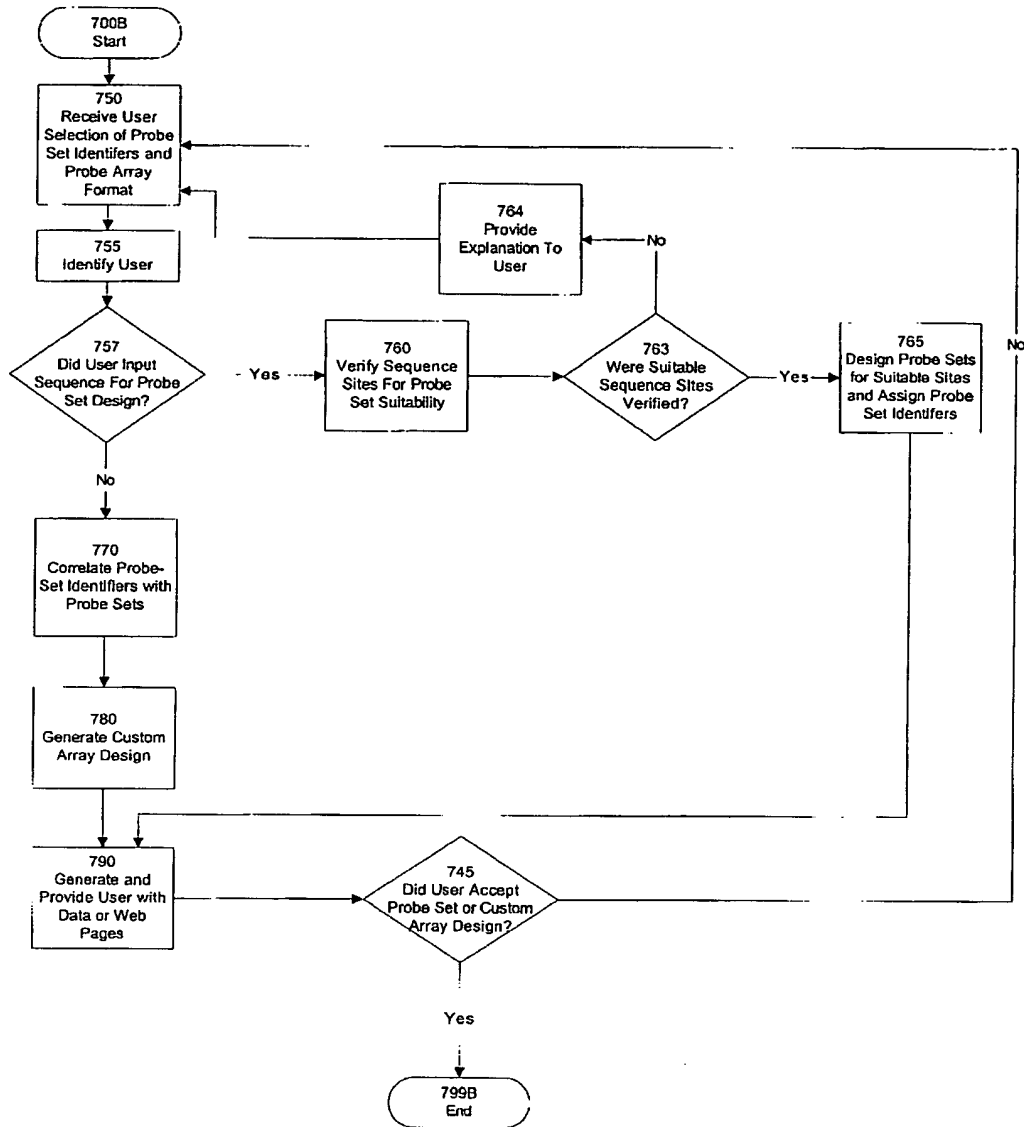


FIGURE 8

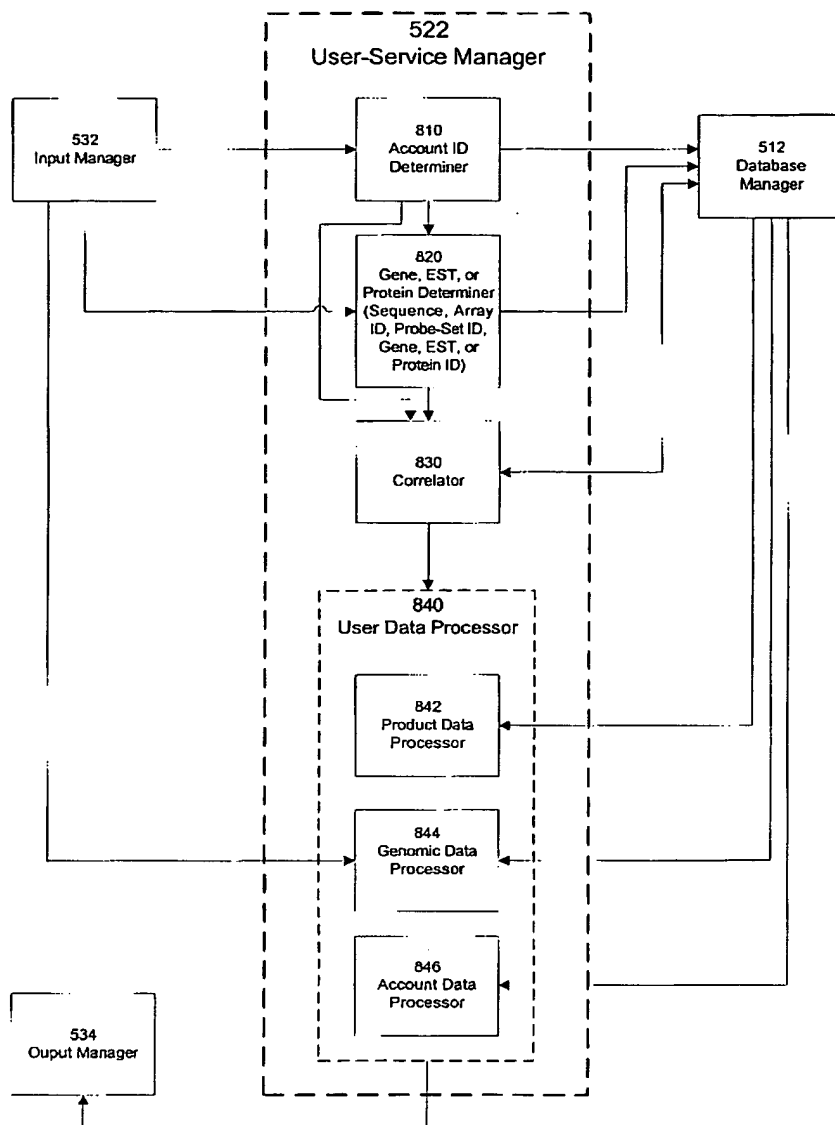


FIGURE 9

513
Gene or Probe-Set ID
to Products and/or
Genomics Databases

902 Gene or EST ID	904 Link to Probe-Set IDS 912
ID 902A	Link 904N
ID 902B	Link 904N
ID 902C	Link 904M

912 Probe-Set ID (accession #, sequence, etc.)	914 Array ID	916 Links to Related Product and/or Genomic Data IDs
Probe-Set 912A	Array 914N	Links 916A
Probe-Set 912B	Array 914N	Links 916B
Probe-Set 912C	Array 914P	Links 916C
Probe-Set 912D	Array 914Q	Links 916D
Probe-Set 912E	Array 914N	Links 916E

922 Product and/or Genomic Data ID	924 Link to Local Products Database 514 and/or Genomic Database 518	926 Links to Vendor or Genomic Database Web Pages
Product/Genomic ID 922A	Link 924A	Links 926A
Product/Genomic ID 922B	Link 924B	Links 926B
Product/Genomic ID 922C	Link 924C	Links 926C
Product/Genomic ID 922C	Link 924D	Links 926D
Product/Genomic ID 922D	Link 924E	Links 926E

Figure 10

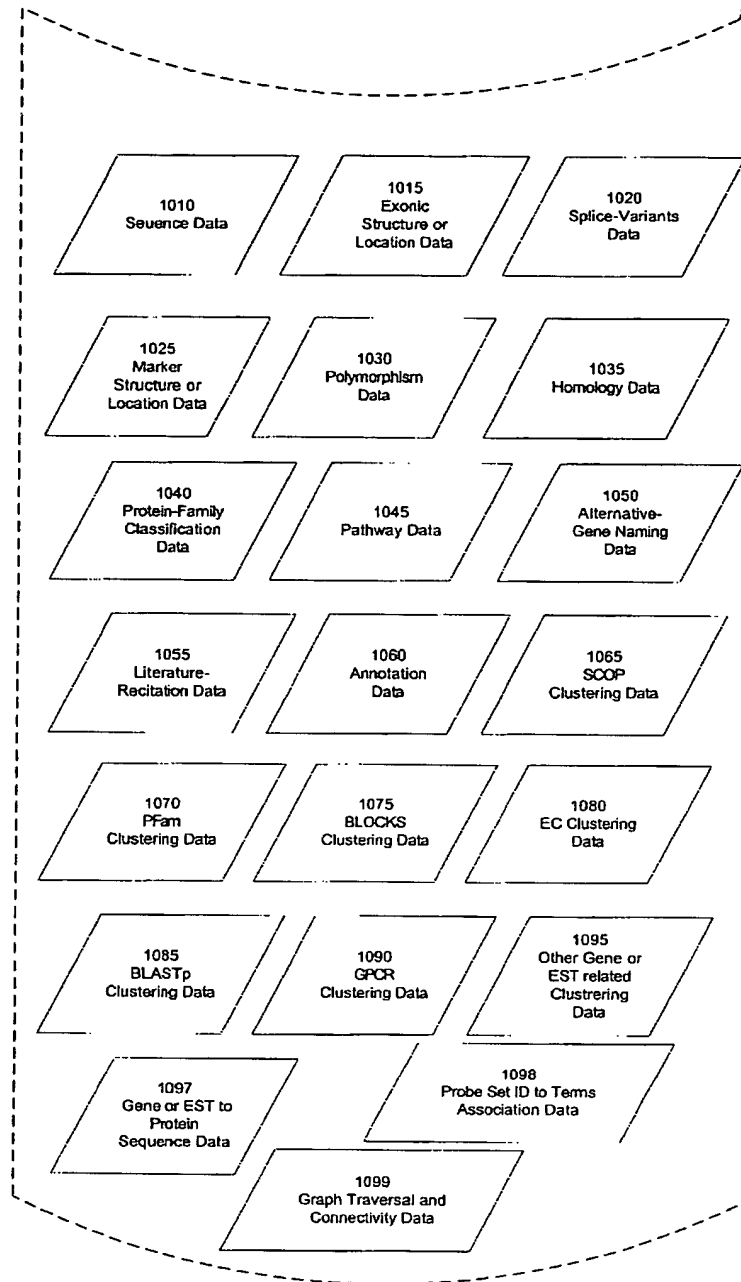
518
Local Genomic
and/or Product
Database

Figure 11

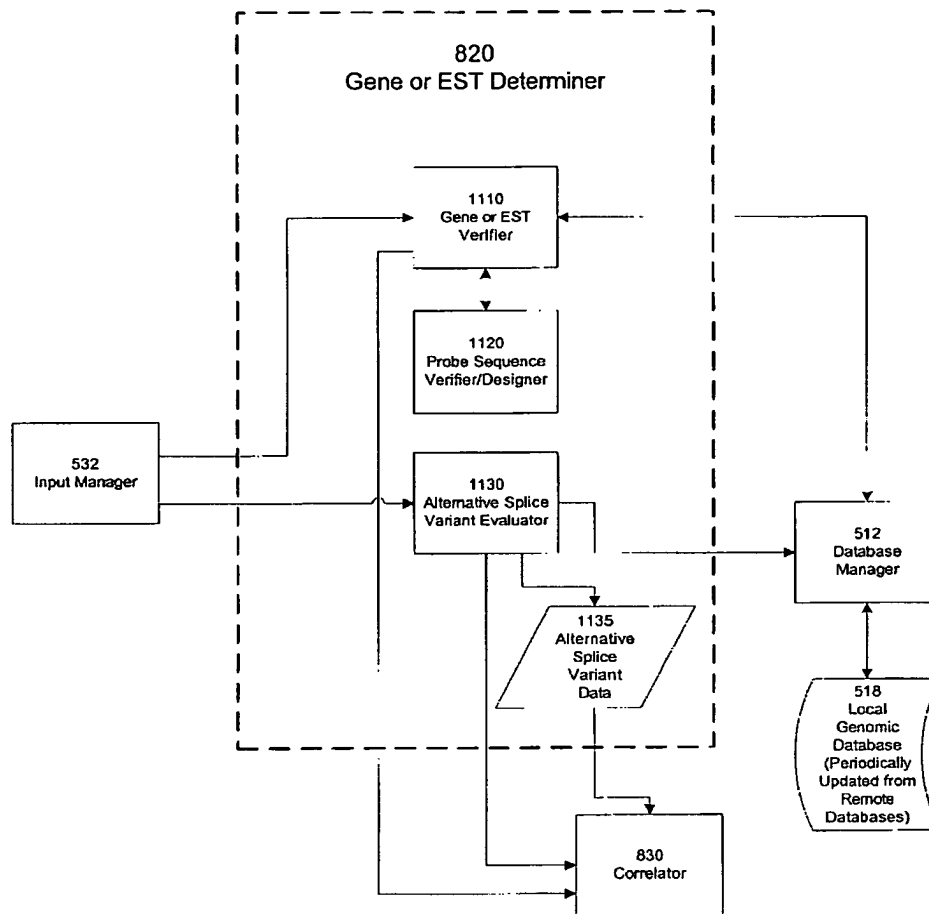


Figure 12

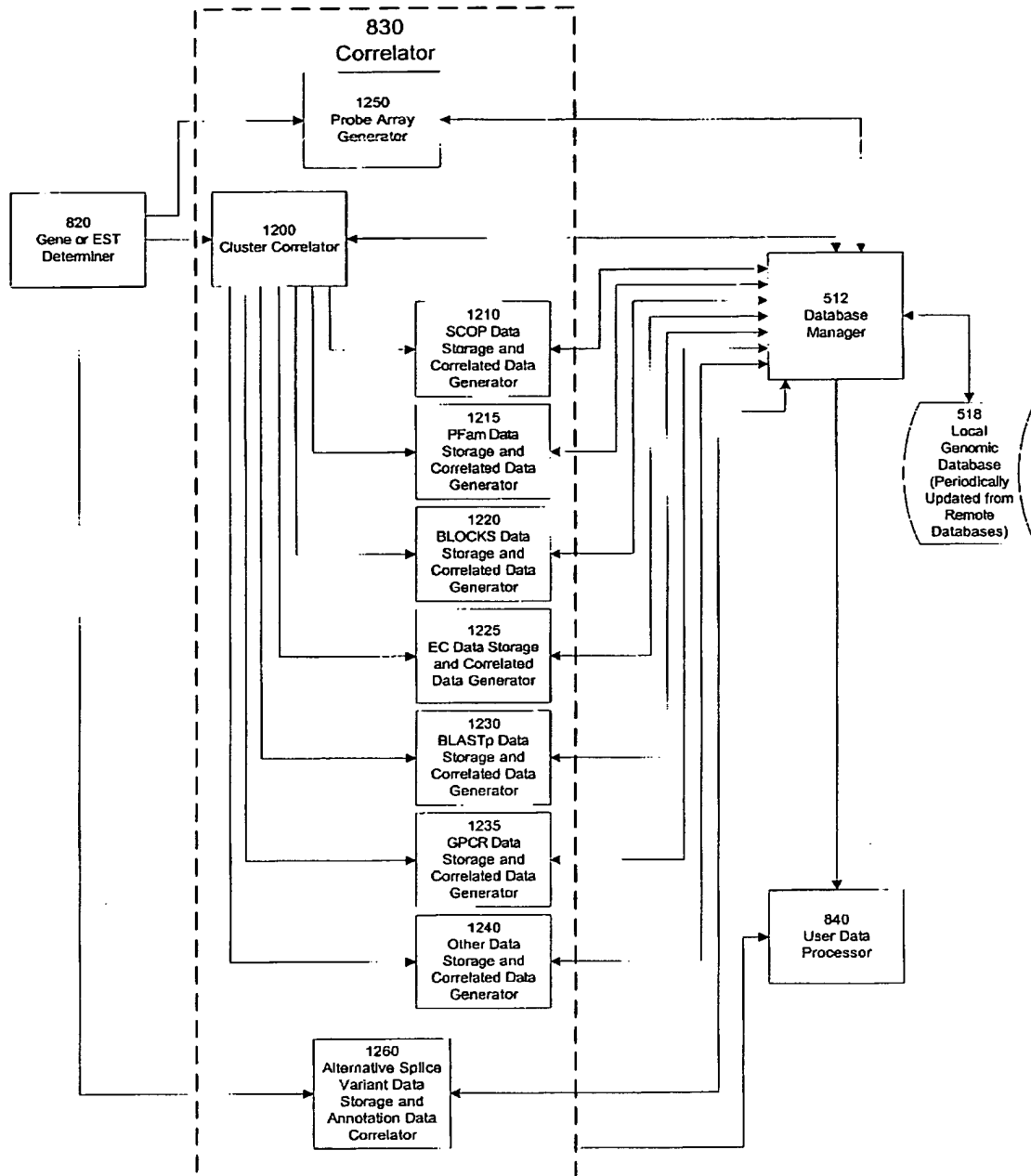


Figure 13A

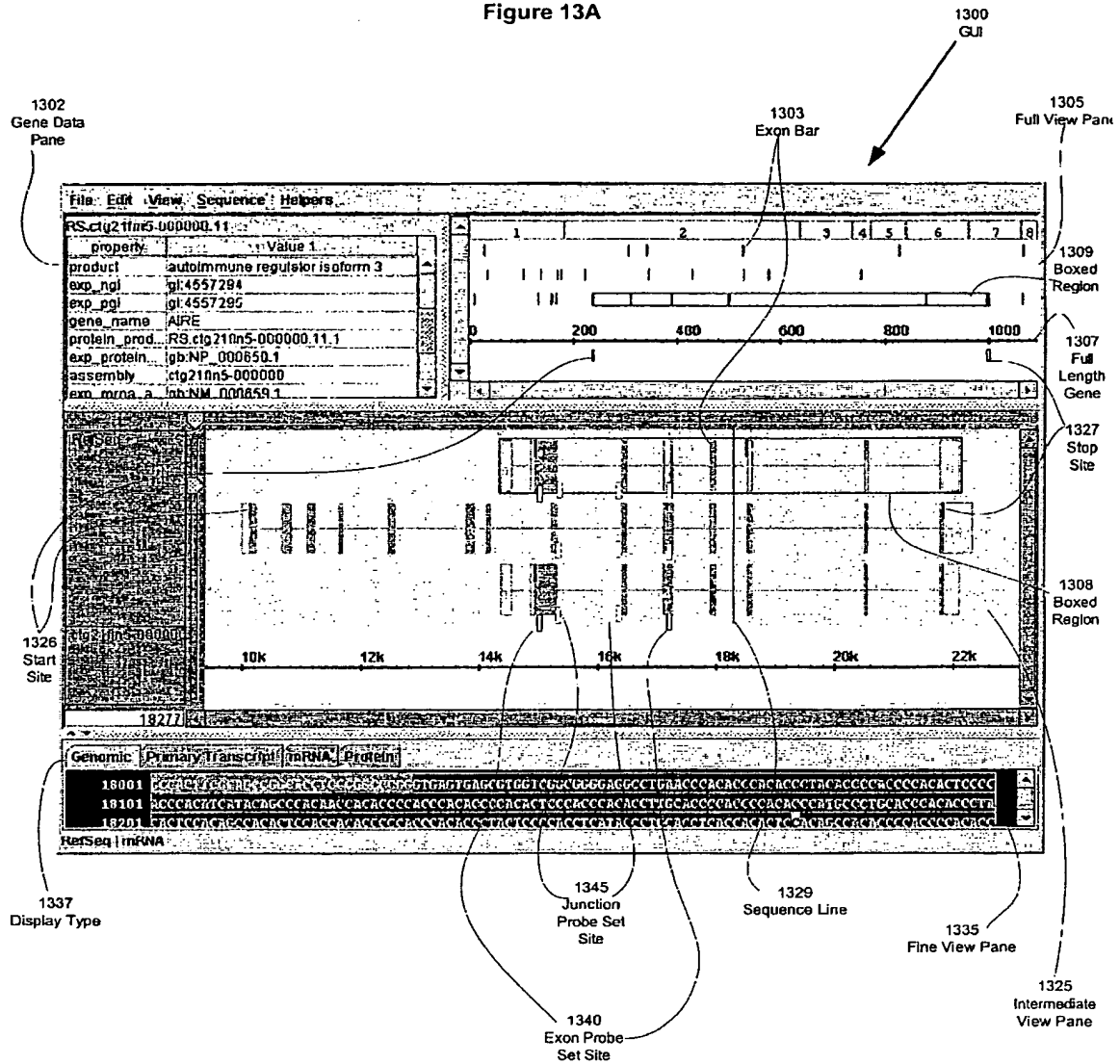


Figure 13B

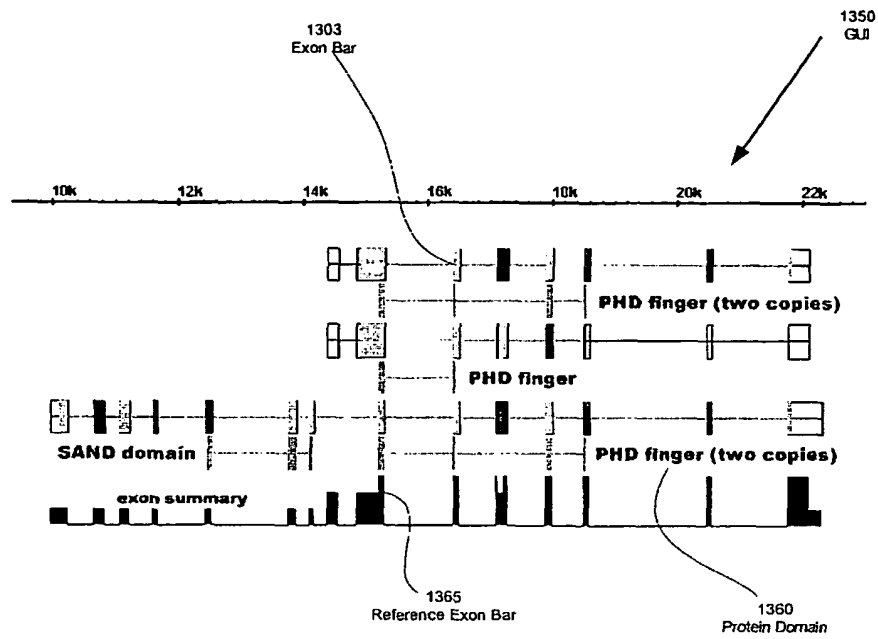


Figure 14

1400
GUI

Custom Design

Array Description

1405 User Selectable Description Input Field

Array Name

1410 User Selectable Name Input Field

Search for Probe Set Identifiers

1420 Probe Set Identifier Search Button

Upload Probe Set Identifiers

1425 Probe Set Identifier Upload Button

Paste Sequence For Verification and Probe Set Design

1430 User Selected Sequence Input Field

Submit

1440 User Selection Submission Button

Shared Probe Array Availability

1435 Shared Probe Array Availability Field

Figure 15

